US Army
Soldier Systems Center
Natick, Massachusetts

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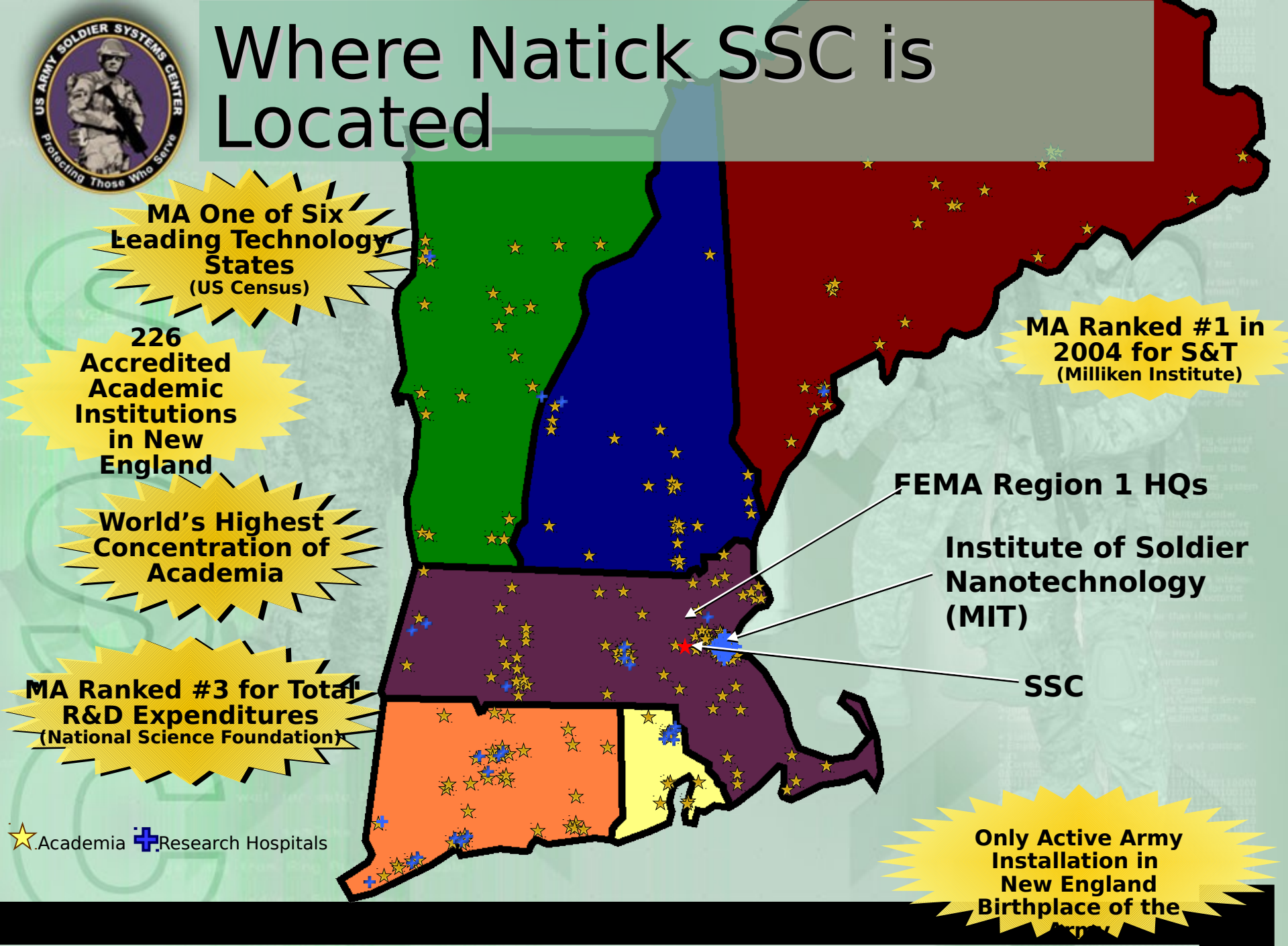
US Army Soldier Systems Center

Who Natick SSC is

Over 50 Years of Protecting Those Who

Where Natick SSC is Located


MA One of Six Leading Technology States
(US Census)
226 Accredited Academic Institutions in New England
World's Highest Concentration of Academia
MA Ranked #3 for Total R&D Expenditures
(National Science Foundation)
MA Ranked #1 in 2004 for S&T
(Milliken Institute)
FEMA Region 1 HQs
Institute of Soldier Nanotechnology (MIT)
SSC
Academia
Research Hospitals
Only Active Army Installation in New England
Birthplace of the

Over 50 Years of Protecting Those Who

What Natick SSC Does

From S&T to Sustainment

Technologies:

- ***Military Nutrition***
- ***Warrior Systems Tech & Integration***
- **Environmental Physiology**
- **Warrior Performance**
- **Biomechanics**
- ***Food Science***
- **Anthropometry**
- **Nanotechnologies**
- **Biotechnology**
- **Individual and Small Unit Modeling & Simulation**
- ***Precision Airdrop Technologies***

Products & Warfighter Capabilities:

- ***Combat Rations***
- ***Chemical Protective Clothing***
- **Warrior Systems**
- ***Aerial Delivery***
- ***Clothing & Individual Equipment***
- ***Field Feeding***
- ***Firefighting & Flame Resistant Clothing***
- ***Shelter Systems / Collective Protection***
- **Field Services**
- **Anti-Exposure Suits**
- **Shipboard Protective Equipment**
- **Homeland Security**

Supporting the Warfighter and the Joint Force

Over 50 Years of Protecting Those Who

Product Manager
Force Sustainment Systems (PMFSS)

- **Responsible for the centralized management, program oversight, and direction for the development, production, and deployment of items in the soldier support commodity areas.**
  - **Cargo air drop systems**
  - **Laundries**
  - **Showers**
  - **Non-powered heaters**
  - **Rigid and softwall shelters**
  - **Field feeding equipment**
  - **Force Provider system**

Integrated Logistics Support Center (ILSC)

- **Provide innovative, robust and streamlined total life cycle logistics and materiel readiness support to all DoD organizations for Warfighter and Chemical Biological Defense Equipment**

- **Materiel Management**
- **War Reserve Management**
- **Maintenance & Overhaul-RESET**
- **Field Technical Assistance**
- **Integrated Logistics Support**
- **Materiel Fielding and Training**
- **Technical Publications**

Over 50 Years of Protecting Those Who

Ongoing Production Efforts for Army Field Feeding Equipment

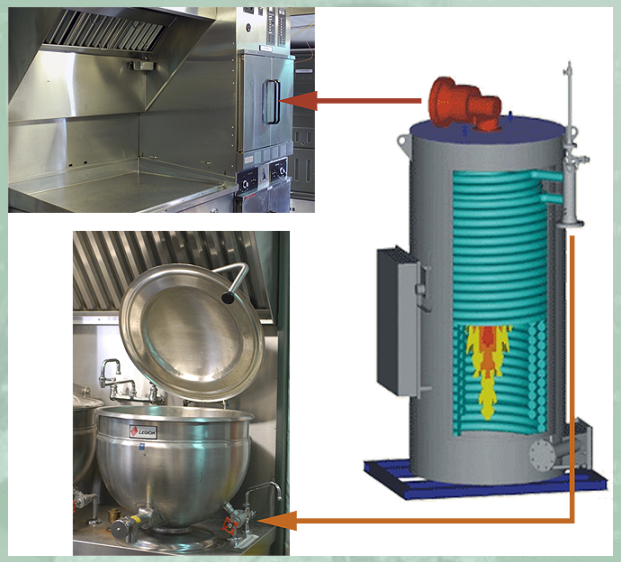
- **CK: In production and fielding since 2001**
- **MKT: Undergoing RESET since 2004**
- **FSC: Production and fielding resumed in 2006 and is ongoing.**
- **Refrigerated Container System (RCS): Production and fielding resumed in 2006 and is ongoing**

Army Field Feeding Improvements in Development

- CK: Thermal Fluid Heating
- FSC – Burner fume mitigation and reduce water use
- MKT - RESET Kit (3-KW generator, oven, skillet)
- Assault Kitchen (AK) – Heat on the move tray ration heater
- Self Powered Tray Ration Heater for AK
- Sanitation Kit for Forward Deployments such as AK/KCLFF
- Battlefield Kitchen (BK) – Future replacement for MKT
- Multi Temperature Refrigeration Container System (MTRCS)

Thermal Fluid Heating (CK - TFH)

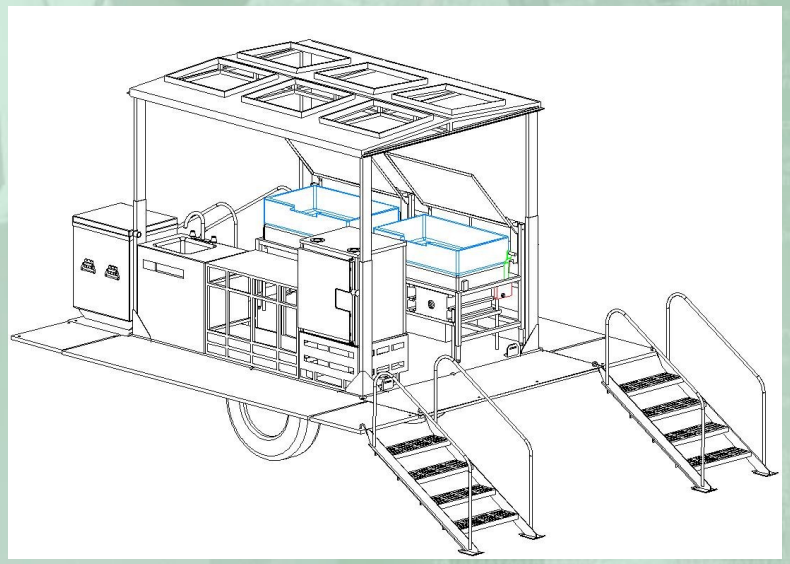
- Objective(s):
  - Comprehensively address the pre-planned product improvements called for in the CK ORD
  - Eliminate the need for a separate field sanitation center and its associated transportation asset
  - Increase worker safety, comfort and effectiveness.



- Capability Provided:
  - Restaurant-Style appliances provide greater user flexibility while maintaining capability to feed 800 warfighters, three meals/day
  - Integrated Food Sanitation Center onboard that meets the requirements of the FSC ORD

MKT Reset Kit Improvements Program

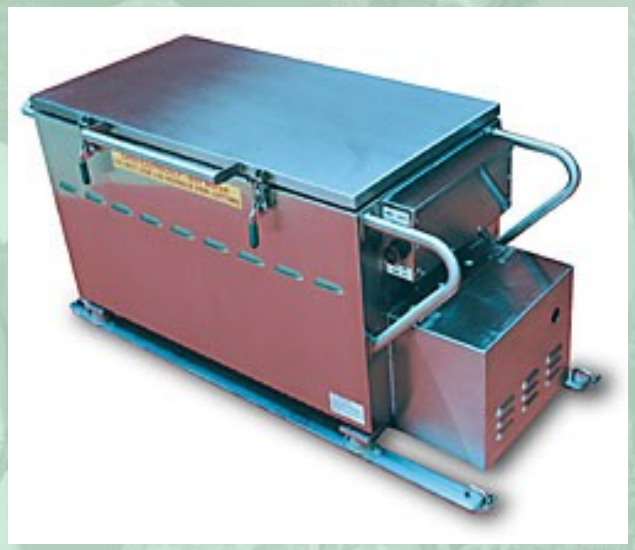
- Objective(s):
  - **Develop a kit to improve the capability of MKTs going through RESET**
  - **Assure the MKT remains relevant and effective as a field-feeding asset for its remaining life cycle**



- Capability Provided:
  - **Updated food preparation equipment**
  - **Improved power source**
  - **Reduced fuel consumption**

Assault Kitchen (AK)

- **Objective(s):**
  - **Develop a lightweight, mobile field feeding platform to support the forward deployed Warfighter**
  - **Functionally replace the Kitchen, Company Level Field Feeding (KCLFF)**
- Capability Provided:
  - **Heat-on-the-move field feeding**
  - **Near instantaneous feeding at remote site**
  - **Reduced feeding site food preparation time**



Multi Temperature Refrigeration Container (MTRCS)

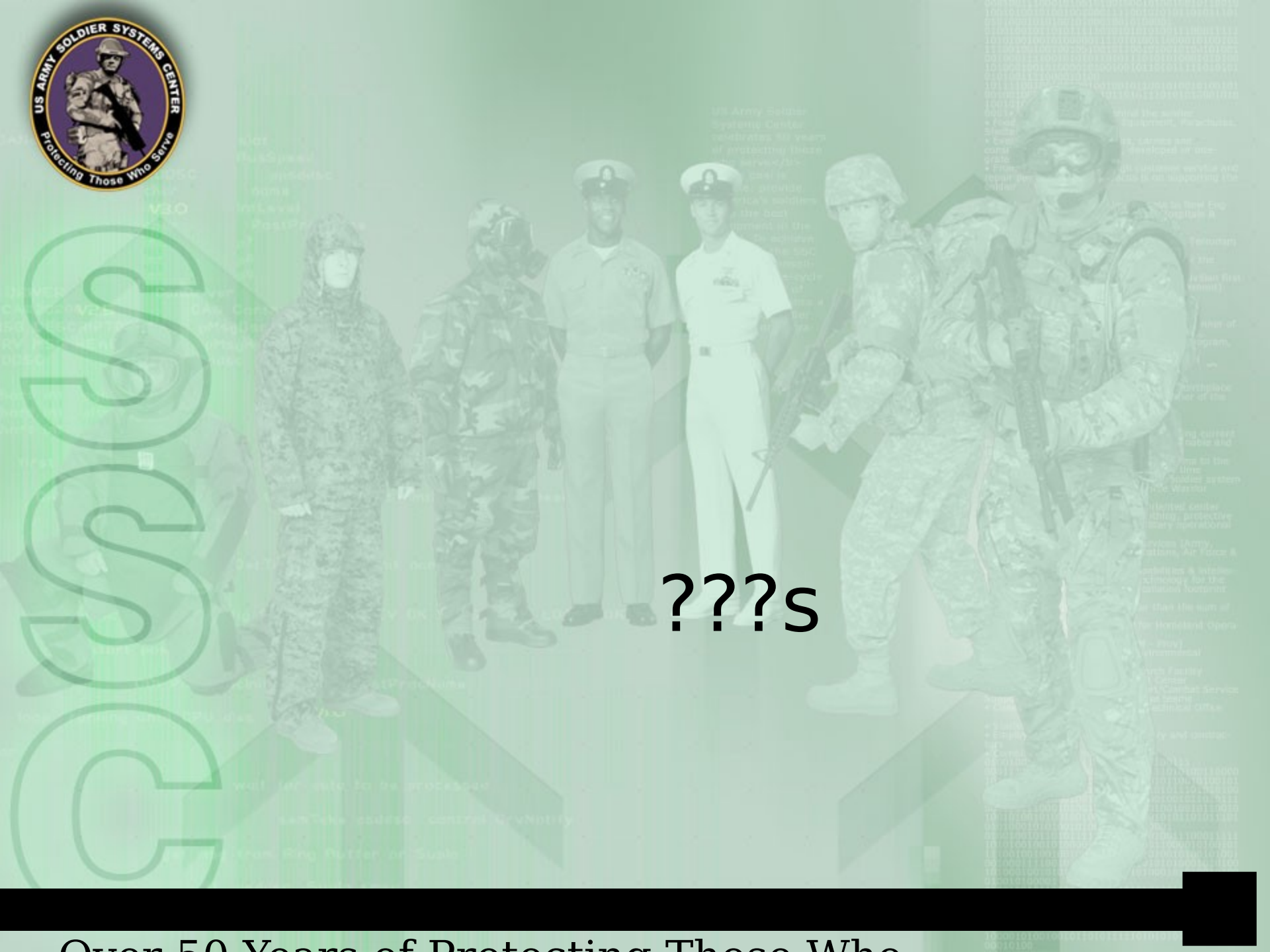
- Replaces current Refrigerated Container System with dual temp capability
- First Article fabrication Completed & testing underway
- TM, RPSTL, and Training document revisions
- Full Materiel Release projected for June 08

Battlefield Kitchen (BK)

- **Purpose is develop eventual replacement for MKT**
- **Working Group Meeting – User Discussions, 14 December 2007 @ Fort Lee to begin establishing requirements**
  - **CASCOM and ACES present with PM-FSS and several User Representatives participated by phone**
    - *Prime mover; power source; feeding capabilities; desired Appliances (thermostatic controlled); instant hot water; sanitation; environmental and set up and tear down all discussed*
    - *Most note worthy requirement emerging is the ability to remove the appliances from the kitchen to set up in building.*
      - *Requirement may limit some technologies*
      - *Concern about venting combustion products in buildings*

Natick's Goals This Week

- **Present displays of fielded equipment to facilitate a cross-feed of information between you and Natick's Subject Matter Experts (SME)**
  - **Containerized Kitchen (CK)**
  - **Mobile Kitchen Trailer (MKT)**
  - **Food Sanitation Center (FSC)**
  - **Modern Burner Unit (MBU)**
- **Address your concerns and questions regarding field-feeding equipment**
- **Get your feedback on what is working well and what needs improvement**
- **Inform you of Natick's overall mission and ngoing efforts to develop new field-feeding products**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